

## 02/19/14      Agenda

- Time to turn in late work!
- Review Review Packet
  - I will collect it before the Test TOMORROW!!!
- Target Reviews - Sections 6.1-6.6
  - I want you to do at least 2 worksheets
- Homework:
  - Finish the Review Packet 6.1-6.6
  - Study for the test
- **Thursday (02/20) - Chapter 6 Test**

## Chapter Review 6.1-6.6 - Systems of Equations & Inequalities

February 18, 2014

**Test on Thursday!**

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### Section 6.1 - Solve by Graphing

**Target 6A**

- Is a point a solution to a system?
- Graphing
  - Lines Intersect - One Solution
  - Lines Parallel - No Solution
    - Same Slope, Different Intercept
  - Same Line - Infinite Number of Solutions
    - Same Slope, Same Intercept

### Section 6.2 - Solve by Substitution

**Target 6B**

- Rewrite 1 equation to get a variable by itself
- Substitute it into the other equation
- Solve for the variable
- Plug the value back into 1 of the original equations and solve for the missing variable
- Write the answer as an ordered pair

### Section 6.3 - Solve by Elimination

**Target 6B**

- Find variable with like coefficients
  - If there are no like coefficients, multiply one or both equations by a value that will give you like coefficients
- If different sign, add; if same sign, subtract
- Solve for the variable
- Plug the value back into 1 of the original equations and solve for the missing variable
- Write the answer as an ordered pair

## Chapter Review 6.1–6.6 – Systems of Equations & Inequalities

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### Section 6.2 & 6.3 – Substitution & Elimination

**Target 6B**

- When you are solving the equations , you will get one of three types of answer:
  - A value for  $x$  and  $y$ 
    - This means there is one solution
  - A FALSE expression like  $(12 = -5)$ 
    - This means there is no solution
  - A TRUE expression like  $(7 = 7)$ 
    - This means there is an infinite # of solutions

### Section 6.4 – Applications (Word Problems)

**Target 6C**

- Define two variables and what they stand for
- Write two equations from the word problem
- Solve using whatever method you prefer

### Section 6.5 – Linear Inequalities

**Target 6D**

- Graph the same way you would graph a linear equation but with two extra questions
  - Solid or Dashed Line
  - Shade Above or Below the line

### Section 6.6 – Systems of Linear Inequalities

**Target 6E**

- Graph both inequalities (see Section 6.5)
- Solution is section where both solutions overlap